
Index To Volume 49: 1983

AUTHOR INDEX

Aarnaes, Sandra 141
Agbonlahor, D.E. 177
Albers, Ann C. 807
Albers, Joan 411
Albritton, William 437
Allison, F. Sue 604, 625
Anderson, Debra Y. 879
Baglini, Robert L. 857
Baker, John S. 727
Barr, Judith T. 795
Barrasso, Christine 579
Becan-McBride, Kathleen 673
Beck, Susan J. 519
Bell, Ann 62, 283
Benko, Brian 807
Berman, Marjorie 589
Boguslaski, R.C. 551
Bollinger, Pamela 633
Boudousquie, Alan C. 179
Boudre, Jean H. 665
Brace, Larry 457
Brake, Sylvia R. 879
Bruce, A. Wayne 247
Bryan, Joan A. 237
Buchanan, Alfred 437
Buchanan, Thomas F., Jr. 879
Buechel, Jane 865
Burd, J.F. 551
Cadoff, Evan 173
Cannon, Anita M. 115
Cannon, George 503
Cannon, M. Samuel 115
Carson, Freida 202
Castle, Doris 282
Cheng, Christine 893
Ciavarella, David 850
Citron, Diane 769
Clements, Theresa 327
Cockayne, Susan 593
Cohen, Harvey J. 91
Cohen, Patricia 873
Cork, Ann 703
Cornbleet, P. Joanne 865
Counts, Richard B. 850
Cox, Fred R. 882
Daniel, Amiram 173
Davis, Lenora 807
Davis, Susan P. 579
Day, Carmel Marti 415, 522, 524
de la Maza, Luis M. 141
Detter, James C. 165
Dix, Douglas 873
Drewinko, Benjamin 633
Ducate, Madeline J. 305, 313, 509, 824, 905
Dupont, Philip 323
Echler, Gary 259
Ederer, Grace Mary 727
Ehrhardt, Harryette B. 569
Ehrmeyer, Sharon S. 121
Elkins, Rebecca Renaldo 519
Fairbanks, Tod R. 473, 489
Fincher, Judith K. 869
Fiorentino, Therese 589
Florek-Ebeling, Darlene 265, 509
Freedel, Dolores N. 807
Freier, Esther 367
Fritsma, George 453
Fung, Joan C. 589
Gallo, Dana 157
Gandy, Joan H. 882
Garcia, Lynne 362
Gardner, Sherry Becker 829
Green, Myrtle M. 899
Grimes, Bill 374
Guttmann, David H. 60
Haight, Virginia 127
Hallberg, Nancy 669
Hameryik, Peggy 60
Hansen, Jessie 830
Hansen, Richard 121
Hartzell, Rita 43
Hauser, Michael L. 111
Herkimer, Allen, Jr. 421
Herman, Thomas S. 219
Herrmann, Kenneth L. 149
Hill, Sonja 899
Hindler, Janet 761
Hollingsworth, Bob 39
Horan, John 327
Hudson, Jane 39
Hunt, Hershell 57
Hunter, Lynda 283
Ingersoll, Ruth 829
James, Karen 893
Jensen, Todd L. 493
Johnston, Janet L. 503
Jones, Judith A. 165
Karnik, Hemant B. 60
Karselis, Terence 342, 357
Kasa, R. Marilyn 23
Kellner, Aaron 290
Kiehn, Wendy K. 876
Kimberly, John R. 787
Laatsh, Linda 464
Larson, Linda 687
Lazar Chick, John 57
LeBeau, Leon 299
LeCrone, Carol N. 165
Lewis, Jay F. 879
Lewis, Maureen D. 111
Lichtman, Marshall A. 97
Loftness, Karen G. 493, 655
Logan, Linda A. 497
Longberry, Joan 43
Lott, John A. 43
MacPherson, Colin 126
MacRae, Sueann 327
Maehara, Kenneth T. 477, 876
Malloy, Paula 305, 313, 824, 905
Marks, Vincent 543
Matuscak, Rosemarie R. 807
Mays, Benita B. 536, 719
McGowan, Sister Arlene 524
Miceika, Beatrice 305, 313
Michael, Barbara Smith 673
Miller, Sharon Monahan 4, 27
Molthan, Lyndall 49
Monaghan, W. Patrick 284
Monroe, Dan 284
Morgan, Bobby 523
Morris, Frances J. 723
Mundschenk, David 727
Nanj, Amin 241
Ness, Paul M. 579
Odugbemi, T.O. 177
Olson, Andrew C., Jr. 111
Orser, Brenda 643
Oswald, Melanie 57
Parrish, Jan 263
Perkins, John J. 203
Peterson, Ellen M. 11
Peterson, Elena 775
Pezzlo, Marie 193, 779
Pippenger, C.E. 565
Plaut, David 213
Price, Diane 229
Pruden, Elizabeth L. 882
Rabinovitch, Albert 649
Rader, Judith 893
Randolph, Virginia 583, 829
Raneri, Sam 807
Rausch, Verna 367
Robb, Jane 189
Roe, Ian Lea 842
Rogers, Donna Ann 183
Rogers, Friah 735
Rost, Peter K. 876
Rowe, Jacob M. 103
Ryou, Kap 583
Saunur, Jean Holland 169, 715
Schmidt, Rebecca 871
Schmidt, Rita 202
Schmude, Judy 464
Schoeff, Larry 447
Schreckenberger, Paul C. 201
Schumann, G. Berry 503
Seabolt, John Patton 362
Sealfon, Michael S. 669
Sewell, David L. 179
Shafer, Jean A. 77
Sheehan, Catherine 485
Shelley, Anne 429
Shideler, Charlotte E. 17
Silberman, Janis 213
Smalley, David L. 237
Smith, Mary Carole 885
Sniffen, Julie M. 807
Snyder, John R. 513
Spalding, Marshall A. 501
Stewart, John A. 149
St. John, Camellia 363
Stone, Howard 121
Taylor, William J. 557
Tomfohrde, Karla 71
Tseng, C. Howard 435, 733
Udofia, P.O. 177
Vennes, John 247
Vice, John 411
Vittetoe, Marie C. 661
Vredeweld, Genn N. 879
Wavra, Mary 247
Witwicki, Evelyn 437
Youngberg, Annette 587

SUBJECT INDEX

Aerobic bacteria
Strategies for antimicrobial susceptibility testing of fastidious aerobic bacteria, 761

AIDS
AIDS and the laboratory worker (editorial), 290

American Society for Medical Technology
Amendments to the Bylaws and Regulations of the American Society for Medical Technology, 741
1983 Annual Report, 742
A.S.M.T. Education and Research Fund, Inc.: Honors, research grants, scholarships, 1983-1984, 812
American Society for Medical Technology Preview of New Products, 605

Aminoglycoside monitoring
Serum aminoglycoside monitoring by enzyme immunoassay, biological, and fluorescence immunoassay procedures, 437

ANA
Laboratory diagnosis of systemic rheumatic disease, 477

Anaerobic bacteria
Susceptibility testing of anaerobic bacteria, 769

Anisakine Worms
Proper identification of anisakine worms, 111

Antimicrobial susceptibility testing
Automated methods in microbiology: II. Identification and susceptibility testing, 313
Laboratory tests for antimicrobial synergy, 775
Strategies for antimicrobial susceptibility testing of fastidious aerobic bacteria, 761
Susceptibility testing of anaerobic bacteria, 769

Antimicrobial synergy
Laboratory tests for antimicrobial synergy, 775

Antimicrobial concentrations
Case report: Potential error in the estimation of antimicrobial concentrations by the microbiological assay method, 179

Automation
Automated methods in microbiology: I. Bacterial detection system, 305
Automated methods in microbiology: II. Identification and susceptibility testing, 313
Automation in microbiology: A physician's viewpoint, 323

Mini course, unit four: Automation in the microbiology lab, 265
Roots of automation in microbiology: An introduction, 299

Bacterial detection systems
Automated methods in microbiology: I. Bacterial detection systems, 305

Bacteriuria
Particle size distribution analysis to detect significant bacteriuria, 727

Biological assay
Serum aminoglycoside monitoring by enzyme immunoassay, biological, and fluorescence immunoassay procedures, 437

Biological variation
Biological variation in diagnostic tests: application to the oral glucose tolerance test, 873

Blood Bank
See Immunohematology

Books Reviewed
Administration and supervision in laboratory medicine, 524
Applied therapeutic drug monitoring, Vol. I: Fundamentals, 283
Atlas of applied human histology: The identification of tissues by light microscopy for students, residents, and pathologists, 202
Bailey and Scott's Diagnostic Microbiology, ed 6, 201
Basic Clinical Parasitology, ed 5, 362
Blood storage and preservation, 522
Clinical and serological aspects of transfusion reactions, 829
Clinical chemistry self-assessment, 830
Clinical laboratory management: A guide for clinical laboratory scientists, 523
Clinical use and interpretation of agarose-gel preparations, 363
A dictionary of virology, 201
Hematology for Medical Technologists, 846
The hospital transfusion committee, 284
Immunological and serological aspects of clinical parasitology, 362
Laboratory medicine—Hematology, ed 6, 62
Manual of hemostasis and thrombosis, 829
Nutritional elements and clinical biochemistry, 284

Pediatric clinical chemistry, 829
Practical microscopic hematology ed 2, 283
Schneier's atlas of diagnostic microbiology, ed 8, 464
Textbook of clinical laboratory supervision, 522
Urinary sediment: A textbook atlas, 464

Bone Marrow
Blood and marrow morphology in acute leukemia patients receiving chemotherapy, 77

Bordetella pertussis
Hematology problem, 169

Capnocytophaga
Capnocytophaga: A review of the literature, 589

Careers
Clinical laboratory scientists: Alternative roles in industry, 501

Cell culture
Isolation and identification of viruses from clinical specimens, 141

Cerebrospinal Fluid
The preparation of simulated spinal fluid for teaching purposes, 493

Chemistry
See also Urinalysis
Decreased activity of commonly measured serum enzymes: Causes and clinical significance, 241
Serum aminoglycoside monitoring by enzyme immunoassay, biological, and fluorescence immunoassay procedures, 437

Chromosome analysis
See Cytogenetics

Coagulation factors
Clinical aspects of hemophilia and von Willebrand's disease, 850
Laboratory evaluation of factor VIII and factor IX, 857

Cognitive style
See Education

Colloidal gold
Historical Bits, 203

Competitive bidding
Competitive bidding for laboratory services, supplies, and equipment, 253

Computers
The personal microcomputer: Its operation and application in the laboratory, 219

C-reactive protein
Characterization of certain minor monodispersed bands found on serum protein electrophoresis as C-reactive protein, 893

Cytochemistry
Meldola blue for the cytochemical demonstration of leukocyte dehydrogenases, 115

Cytogenetics
Case study: Klinefelter's syndrome, 715

Cytogenetics
Chromosomal abnormalities in leukemia, 703

Cytogenetics
Human chromosome analysis: Methodology and applications, 687

Cytology
Renal epithelial fragments in urine from a nephrostomized patient: A case report, 503

Cytomegalovirus
Serological diagnosis of perinatal infections, 149

Uses of immunofluorescence in diagnostic virology, 157

Editorial
AIDS and the laboratory worker, 290

Closing the book, 842

Immunology: Present and future, 473

Our partnership with industry, 374

Quality control in hematology: An introduction, 604

Vitamins: Update for the clinical laboratorian, 4

Education
A comprehensive retraining program for inactive medical technologists, 121

A continuing education program for rural communities: Evaluating cognitive and behavioral change, 247

An investigation of the cognitive styles of 76 associate degree medical laboratory technology students, 719

The preparation of simulated spinal fluid for teaching purposes, 493

Special training under simulated stat lab conditions, 899

Learning style preferences of medical technology and physical therapy students, 661

Utilization of cognitive style mapping in conjunction with individualized instruction, 723

Utilization of cognitive style in the clinical laboratory sciences, 569

Electrophoresis
Characterization of certain minor monodispersed bands found on serum protein electrophoresis as C-reactive protein, 893

Enzyme immunoassay
Serum aminoglycoside monitoring by enzyme immunoassay, biological, and fluorescence immunoassay procedures, 437

Decreased activity of commonly measured serum enzymes: Causes and clinical significance, 241

Feature stories
Clinical laboratory scientists: Alternative roles in industry, 501

Comparing nonphysician and physician laboratory administrative responsibilities, 795

Fibrinogen
Normal range of plasma fibrinogen, 57

Fluorescence immunoassay
Serum aminoglycoside monitoring by enzyme immunoassay, biological, and fluorescence immunoassay procedures, 437

Formalin pigment
A new method of removal of formalin pigment, 435

Gastroenteritis
Microbiology problem, 39

Non-01 *Vibrio cholerae* gastroenteritis in New Hampshire: A case report, 327

Viral gastroenteritis and laboratory detection of rotavirus, 665

Glucose-6-phosphate dehydrogenase
Determination of glucose-6-phosphate dehydrogenase levels in red cell preparations, 259

Glucose tolerance
Biological variation in diagnostic tests: Application to the oral glucose tolerance test, 873

HCG
Current status of pregnancy testing, 485

Effect of urinary proteins on in vitro immunological tests for pregnancy, 173

Hematology
Correlation of hematologic data from the individual patient as a quality control tool, 655

Determination of glucose-6-phosphate dehydrogenase levels in red cell preparations, 259

Hematology problem, 169, 189, 263, 497, 869, 871

Hematology quality control and the Coulter S-Plus II, 643

Hemoglobin G trait and S trait in the same patient, 165

Historical review of quality control in hematology, 625

Normal range of plasma fibrinogen, 57

Preparation of simulated spinal fluid for teaching purposes, 493

Quality control and the Ortho ELT-8, 649

Quality control in hematology (editorial), 604

Quality control program for a computerized, high-volume, automated hematology laboratory, 633

Red cell distribution width on the Coulter Model S-Plus, 865

Hemochromatosis
Staining for hemochromatosis, 733

Hemoglobin
Hemoglobin G trait and S trait in the same patient, 165

Hemoglobinometry
A brief history of hemoglobinometry, 127

Hemophilia
Clinical aspects of hemophilia and von Willebrand's disease, 850

Laboratory evaluation of Factor VIII and Factor IX, 857

Hemopoiesis
Hemopoietic stem cell disorders, 97

Hemostasis
Normal range of plasma fibrinogen, 57

See also coagulation factors

Herpesvirus
Serological diagnosis of perinatal infections, 149

Uses of immunofluorescence in diagnostic virology, 157

High-performance liquid chromatography
Analytical methods for therapeutic drug monitoring, 551

Histology
Histological stains: A look at their roots, 282

A new method of removal of formalin pigment, 435

Staining for hemochromatosis, 733

Historical Bits
Colloidal gold, 203

A brief history of hemoglobinometry, 127

Histological stains: A look at their roots, 282

Liver function tests, 367

Trials and tribulations of the technician, 5

Immunoassay
See also Enzyme immunoassay, Fluorescence immunoassay

Analytical methods for therapeutic drug monitoring, 551

Microcomputer for enzyme immunoassay determination of serum quinidine, 669

Immunofluorescence
Uses of immunofluorescence in diagnostic virology, 157

Immunohematology
Immunohematology problem, 519

Maximizing the benefits of type and screen by continued surveillance of transfusion practice, 579

Serology of the York-Cost-McCoy-Knops red blood cell system, 49

Immunology
Effect of urinary proteins on in vitro immunological tests for pregnancy, 173

Immunology
Laboratory diagnosis of systemic rheumatic disease, 477

Immunology: Present and future (editorial), 473

Instrumentation
Evaluation of an automated immunochemistry analyzer, the AUTO ICS, 885

Job satisfaction
Stress and job satisfaction of clinical laboratory scientists, 183

Klinefelter's syndrome
Case study: Klinefelter's syndrome, 715

John C. Lang Memorial Series
The managers are coming, 787

Letters to the editor
QC in doctors' offices, 126

Restriction endonucleases, 60

Urine sediment, 60

Leukemia
Blood and marrow morphology in acute leukemia patients receiving chemotherapy: A photo essay, 77

Childhood leukemia: The past, the present, and the future, 91

Clinical and laboratory features of the myeloid and lymphocytic leukemias, 103

Hematology problem, 189

Hematology problem, 263

Hemopoietic stem cell disorders, 97

Leukocyte esterase
Comparative evaluation of biochemical and microscopic urinalysis, 237

Leukocytes
Blood and marrow morphology in acute leukemia patients receiving chemotherapy, 77

Childhood leukemia: The past, the present, and the future, 91

Clinical and laboratory features of the myeloid and lymphocytic leukemias, 103

Hemopoietic stem cell disorders, 97

Meldola blue for the cytochemical demonstration of leukocyte dehydrogenases, 115

Liver function
Two cases of itching during pregnancy, 583

Lymphocytosis
Hematology problem, 169

Management
Comparing nonphysician and physician laboratory administrative responsibilities, 795

Competitive bidding for laboratory services, supplies and equipment, 253

Counseling and performance appraisal: A planning perspective, 415

Health care marketing and the clinical labora-

tory, 429

Management planning, 411

Managerial intervention to facilitate organizational change, 513

The managers are coming, 787

Strategic planning, 411

Stress and job satisfaction of clinical laboratory scientists, 183

Variable budget: A management tool for laboratory financial planning and control, 421

Marketing

Health care marketing and the clinical laboratory, 429

Meldola blue

Meldola blue for the cytochemical demonstration of leukocyte dehydrogenases, 115

Microbiology

Case report: Potential error in the estimation of antimicrobial concentrations by the microbiological assay method, 179

Diagnosis complicated by group A Streptococcus, 876

Differentiation of gram-positive and gram-negative bacteria and yeasts using a modification of the "string" test, 177

Evaluation of API 20E strips for identification of coagulase-negative staphylococci from the urinary tract, 879

Evaluation of the novobiocin disc diffusion method for identifying clinical isolates of *Staphylococcus saprophyticus*, 509

Identification of the *Mycobacterium tuberculosis-bovis* complex by radiometric determination of heat stable urease, 882

Microbiology problem, 39, 587

Non-O1 *Vibrio cholerae* gastroenteritis in New Hampshire: A case report, 327

Particle size distribution analysis to detect significant bacteriuria, 727

Proper identification of anisakine worms, 111

Selective pigment medium for *streptococcus agalactiae*, 807

Viral gastroenteritis and laboratory detection of rotavirus, 665

Microcomputer for enzyme immunoassay determination of serum quinidine, 669

Mini-Course

Microbiology update, 11, 71, 193, 265

Instrumentation in the clinical laboratory, 357, 442, 525, 593, 673, 735, 824, 905

Mononucleosis

Infectious mononucleosis and syphilis testing, 489

Multiple myeloma

Hematology problem, 263

Nematodes

Proper identification of anisakine worms, 111

Novobiocin disc

Evaluation of the novobiocin disc diffusion method for identifying clinical isolates of *Staphylococcus Saprophyticus*, 509

Particle Size Distribution

Particle size distribution analysis to detect significant bacteriuria, 727

Performance appraisal

Counseling and performance appraisal: A planning perspective, 425

Perinatal infection

Serological diagnosis of perinatal infections, 149

Pharmacokinetics

Pharmacokinetics, 557

Platelets

Synthetic materials for platelet quality control, 43

Pleisiomonas

Microbiology problem, 39

Pregnancy tests

See HCG

Pyridoxine

Vitamin B₆: An overview, 17

Quality control

Correlation of hematologic data from the individual patient as a quality control tool, 655

Estimating Biological Variation in Diagnostic Tests: Application to the Oral Glucose Tolerance Test, 873

Hematology quality control and the Coulter S-Plus II, 643

Hematology quality control and the Ortho ELT-8, 649

Historical review of quality control in hematology, 625

Quality control in the automated clinical laboratory, 213

Quality control charting in a large automated laboratory, 229

QC in doctors' offices (letter), 126

Quality control in hematology (editorial), 604

Quality control program for a computerized high-volume, automated hematology laboratory, 633

Synthetic materials for platelet quality control, 43

Red cell distribution width (RDW)

Red cell distribution width on the Coulter Model S-Plus, 865

Reference interval

Normal range of plasma fibrinogen, 57

Renal epithelial fragments

Renal epithelial fragments in urine from a nephrostomized patient, 503

Retraining

A comprehensive retraining program for inactive medical technologists, 121

Restriction endonucleases

Restriction endonucleases, 60

Rheumatic disease

Laboratory diagnosis of systemic rheumatic disease, 477

Rotavirus

Viral gastroenteritis and laboratory detection of rotavirus, 665

Rubella

Serological diagnosis of perinatal infections, 149

SLE

Laboratory diagnosis of systemic rheumatic disease, 447

Staphylococcus saprophyticus

Evaluation of the novobiocin disc diffusion method for identifying clinical isolates of *Staphylococcus saprophyticus*, 509

Streptococcus agalactiae

Selective pigment medium for *streptococcus agalactiae*, 807

Stress

Stress and job satisfaction of clinical laboratory scientists, 183

String test

Differentiation of gram-positive and gram-negative bacteria and yeasts using a modification of the "string" test, 177

Syphilis testing

Infectious mononucleosis and syphilis testing, 489

Technical notes

Meldola blue for the cytochemical demonstration of leukocyte dehydrogenases, 115

Synthetic materials for platelet quality control, 43

Therapeutic drug monitoring (TDM)

Analytical methods for therapeutic drug monitoring, 551

Assay of antimicrobial agents, 779

Future role of the clinical laboratory in therapeutic drug monitoring, 565

Pharmacokinetics, 557

Therapeutic drug monitoring: An historical introduction, 543

T.O.R.C.H.

Serological diagnosis of perinatal infections, 149

Toxoplasma gondii

Serological diagnosis of perinatal infections, 149

Type and screen

Maximizing the benefits of type and screen by continued surveillance of transfusion practice, 579

Urease

Identification of the *Mycobacterium tuberculosis-bovis* complex by radiometric determination of heat stable urease, 882

Urinalysis

Comparative evaluation of biochemical and microscopic urinalysis, 237

Renal epithelial fragments in urine from a nephrostomized patient, 503

Urine sediment (letter), 60

Urinary proteins

Effect of urinary proteins on in vitro immunological tests for pregnancy, 173

Vibrio cholerae

Non-O1 *Vibrio cholerae* gastroenteritis in New Hampshire, 327

Viruses

Isolation and identification of viruses from clinical specimens, 141

Uses of immunofluorescence in diagnostic virology, 157

Vitamins

Vitamin A, 447

Vitamin B₆, 17

Vitamin C, 23

New perspectives on vitamin D, 27

Vitamin E and autoxidation, 453

Vitamin K, 457

Vitamins: Update for the clinical laboratorian (editorial), 4

